

## Abstract

### Testing an image display device

- 5 A method of testing functionality of a LCD device(5) in a mobile telephone handset (MS1), involves applying first and second test patterns to electrodes (17, 18) of the device (5) and capturing image data corresponding to the display produced, using a camera (11). A processor (12) compares the image data for the first and second test patterns, for each display element of the
- 10 device (5). The first and second patterns are arranged so that each element is switched on and off. When the data from the first and second patterns is compared, functional elements provide relatively high value resultant data (r), whereas non-functional data do not. The resultant data (r) is summed by row and column and compared with a threshold to detect fault conditions

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